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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: John B. Harley

Serial No.: 07/867,819

Group Art Unit: 1812

Filed: April 13, 1992

Examiner: *Caputa* ~~Scheiner, L.~~ *R*

For: METHODS AND REAGENTS FOR DIAGNOSIS OF  
AUTOANTIBODIES

Commissioner of Patents  
and Trademarks  
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GROUP 1812

SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §1.56, applicant cites the following publications. Each item of information contained in this Supplemental Information Disclosure Statement was cited in International Search Report dated 17 August 1993. The Commissioner is hereby authorized to charge Deposit Order Account 11-0855 in the amount of \$200.00, the filing fee for this Supplemental Information Disclosure Statement. A duplicate copy of this Supplemental Information Disclosure Statement is enclosed for accounting purposes. Also enclosed are copies of the International Search Report and each of the publications cited below.

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### Foreign Patent Applications

EP,A,0,313,156 (Van Benrooij, et al.) 26 April 1989.

WO,A,91/11718 (J. B. Harley) 08 August 1991.

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### Publications

Ben-Chetrit, Eldad, et al., "Isolation and Characterization of a cDNA Encoding the 60-kD Component of the Human SS-A/Ro Ribonucleoprotein Autoantigen," J. Clin. Inv. 83:1284-1292.

Chambers, Jasemine C., et al., "Genomic Structure and Amino Acid Sequence Domains of the Human La Autoantigen," J. Biol. Chem. 263:18043-18051 (1988).

Chambers, Jasemine Choy and Jack D. Keene, "Isolation and analysis of cDNA clones expressing human lupus La antigen," Proc. Natl. Acad. Sci. USA 82:2115-2119 (1985).

Chan, E.K.L., et al., "Ribonucleoprotein SS-B/La belongs to a protein family with consensus sequences for RNA-binding," Nucl. Acids Res. 17:2233-2244 (1989).

Deutscher, Susan L., et al., "Molecular analysis of the 60-kDa human Ro ribonucleoprotein," Proc. Natl. Acad. Sci. USA 85:9479-9483 (1988).

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Elkon, Keith B., et al., "Epitope Mapping of Recombinant HeLa SmB and B' Peptides Obtained by the Polymerase Chain Reaction," J. of Immun. 145:636-643 (1990).

McAlister, George, et al., "cDNA sequence of the rat U snRNP-associated protein N: description of a potential Sm epitope," EMBO Jour. 8:1177-1181 (1989).

Renz, M., et al., "Expression of the Major Human Ribonucleoprotein (RNP) Autoantigens in *Escherichia coli* and Their Use in an EIA for Screening Sera from Patients with Autoimmune Diseases," Clin. Chem. 35:1861-1863 (1989).

Rokeach, Luis A., et al., "Primary Structure of a Human Small Nuclear Ribonucleoprotein Polypeptide as Deduced by cDNA Analysis," J. of Biol. Chem. 264: 5024-5030 (1989).

Sharpe, N.G., et al., "Isolation of cDNA clones encoding the human Sm B/B' auto-immune antigen and specifically reacting with human anti-Sm auto-immune sera," FEBS Letter 250:585-590 (1989).

Sillekens, Peter T. G., et al., "cDNA cloning of the human U1 snRNA-associated A protein: extensive homology between U1 and U2 snRNP-specific proteins," EMBO Journal 6:3841-3848 (1987).

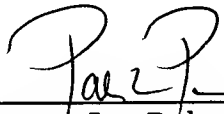
Sturgess, Allan D., et al., "Characteristics and Epitope Mapping of a Cloned Human Autoantigen La," J. Immun. 3212-3218 (1988).

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Yamamoto, Kazuhiko, *et al.*, "Isolation and Characterization of a Complementary DNA Expressing Human U1 Small Nuclear Ribonucleoprotein C Polypeptide," J.Immun. 140:311-317 (1988).

While this statement includes all of the relevant art presently known to the applicant, it should not be interpreted as a representation that an exhaustive search has been conducted or that no better art exists. Moreover, the applicant invites the Examiner to make an independent evaluation of the cited art to determine its relevance to the subject matter of the present application. Applicant is of the opinion that his claims patentably distinguish over the art referred to herein, either alone or in combination.

Respectfully submitted,

  
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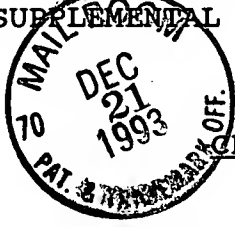
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CERTIFICATE OF MAILING UNDER 37 CFR §1.8a

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Date: December 17, 1993

Angela M. Rossi  
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